

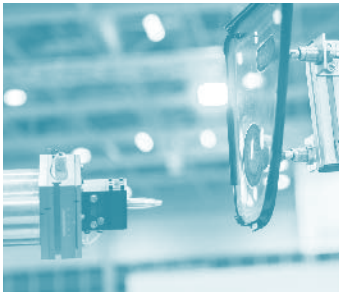
cyber[®] dynamic line brushless servo motors

dynamic
high-torque
efficient



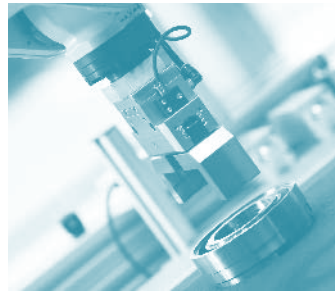
Your Applications

WITTENSTEIN – Products that know no limits



Adhesive Dispensing

Brushless servo motors with the highest reliability for the most challenging and precise adhesive dispensing applications.



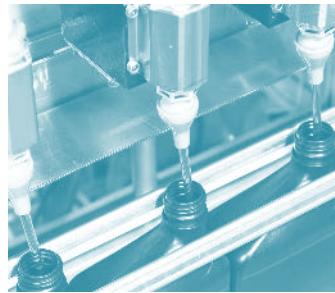
Gripping

Servo electric grippers with high power density and minimal weight for sophisticated pick & place applications.



Measuring and Testing

Reliable and low-noise motors for innovative testing and measurement solutions to set industrial standards.



Filling

Precise and adjustable filling with servo control of valves and metering pumps.

Quality and Reliability

even in rough environmental conditions

Food Industry

- Production, processing and packaging
- Designed according to hygienic standards

Beverage Industry

- Aseptic filling
- CIP (Clean in Place) / SIP (Sterilize in Place)

Chemical Industry

- Corrosion resistant
- Integration into the chemical process (e.g. in the semiconductor industry)

Pharmaceutical Industry

- Quality and maintenance optimized production
- Hygienic and sterile automation

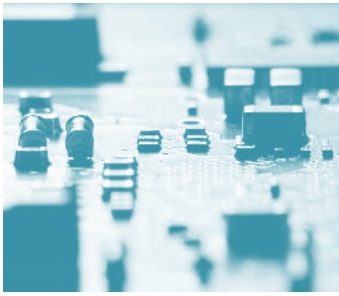
Medical Industry

- Use in sensitive medical areas
- Easy to clean

Cosmetic Industry

- Exceed highest hygienic standards
- Precise and repeatable formulation





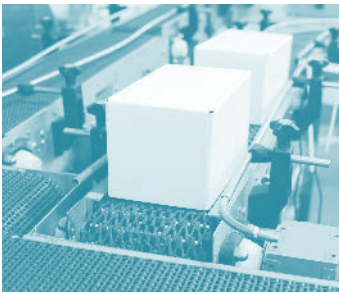
Positioning

Highly dynamic and precise positioning of sensitive components.



Adjusting

Automatic and controlled processes for adaptable format or valve adjustments.



Conveyor Systems

Fast, reliable and robust servo motors with high position accuracy.



Power Tools

Efficient and very compact motors for industrial electric screwdrivers.

Excellent Solutions for complex motion tasks

Compactness

- Highest torque-density
- Space saving round housing
- Integrated absolute encoder

Efficiency

- Less heat dissipation
- Optimized motor design
- Less current needed

Motors and electronics from a single supplier

- Perfectly matched small drive system
- Automatically motor parameterization
- Numerous fieldbuses to connect to your fieldbus systems

Dynamics

- High overload capacity
- High torque-to-inertia ratio

Durability and Reliability

- Designed for industrial use
- Double shielded single cable solution for use in cable carriers
- High quality stainless steel housing

Quality and Service

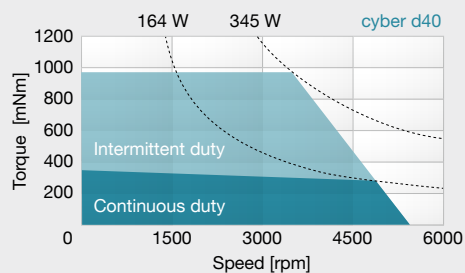
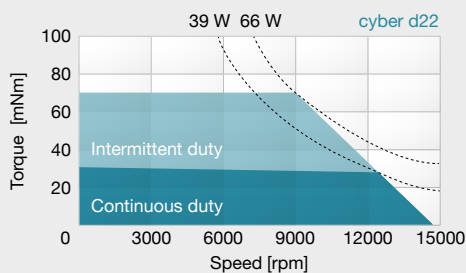
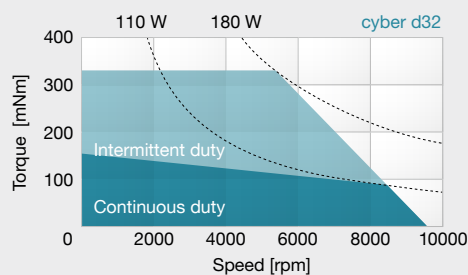
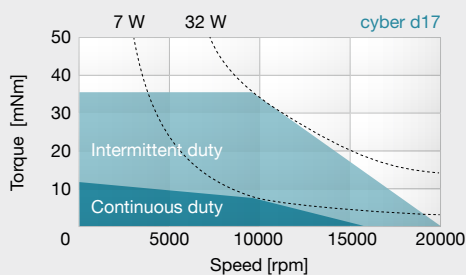
- Development and production in Germany
- Worldwide availability and support
- Manufacturing, testing and certification (CE, UL, ...) from a single source



Servo Motors

cyber[®] dynamic line

	Unit	cyber d17	cyber d22	cyber d32	cyber d40
Diameter	mm	17	22	32	40
Length	mm	47	49	69	81
Shaft diameter	mm	3	4	6	6
Weight	kg	0,04	0,08	0,25	0,4



Highly dynamic servo motors

The brushless servo motors in the cyber[®] dynamic line are the professional choice for your application.

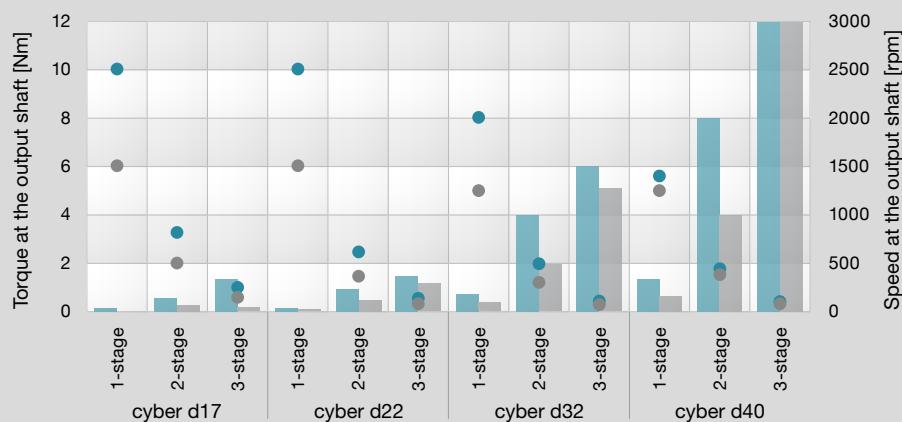
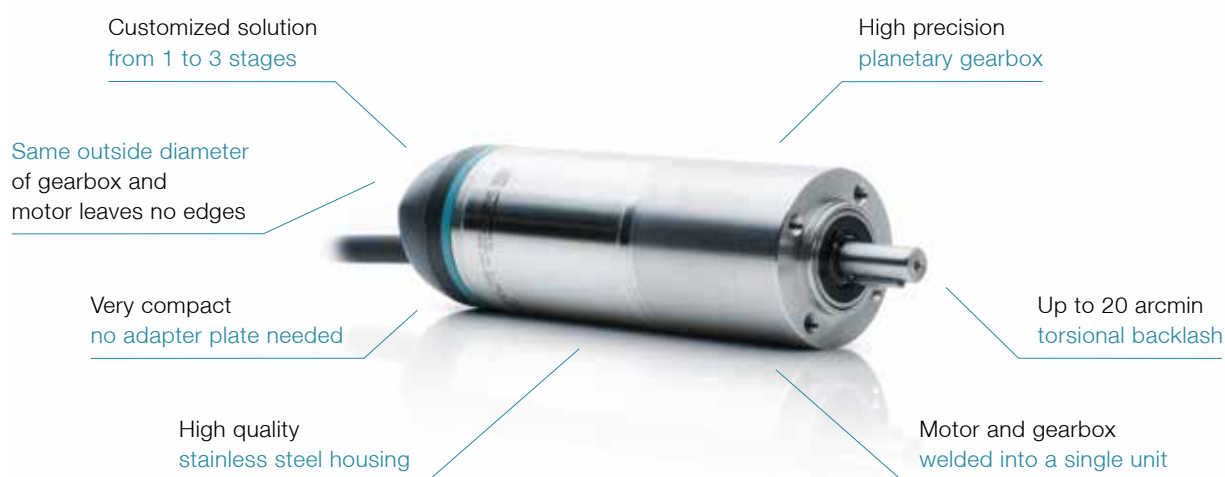
Featuring a high quality stainless steel housing and an absolute encoder, our new motor line offers outstanding precision and reliability.

The double shielded single cable solution was designed for industrial applications and can be used in cable carriers.

Servo Actuators

cyber[®] dynamic with integrated gearbox

	Unit	cyber d17			cyber d22			cyber d32			cyber d40		
Stages		1	2	3	1	2	3	1	2	3	1	2	3
Diameter	mm	17			22			32			40		
Length	mm	64,5	69,5	74,5	69,1	76,1	83,1	92,6	101,6	110,6	113,3	125,8	138,3
Shaft diameter	mm	3			4			6			8		
Weight	kg	0,06	0,07	0,07	0,15	0,18	0,21	0,39	0,43	0,5	0,7	0,8	0,9
Ratio		4	12 21 28	36 48 64	4	16 20 28	64	4	16 20,8 25	64 72 100	4	12,25 20 25 30,67	49 64 100



■ = max. torque at output shaft [Nm] ■ = rated torque at output shaft [Nm]
● = max. speed at output shaft [rpm] ● = rated speed at output shaft [rpm]

Broad range of power

The perfectly matched motor gearbox combinations can reach up to 12 Nm of continuous torque.

With gearboxes from one to three stages we offer a wide portfolio of options.

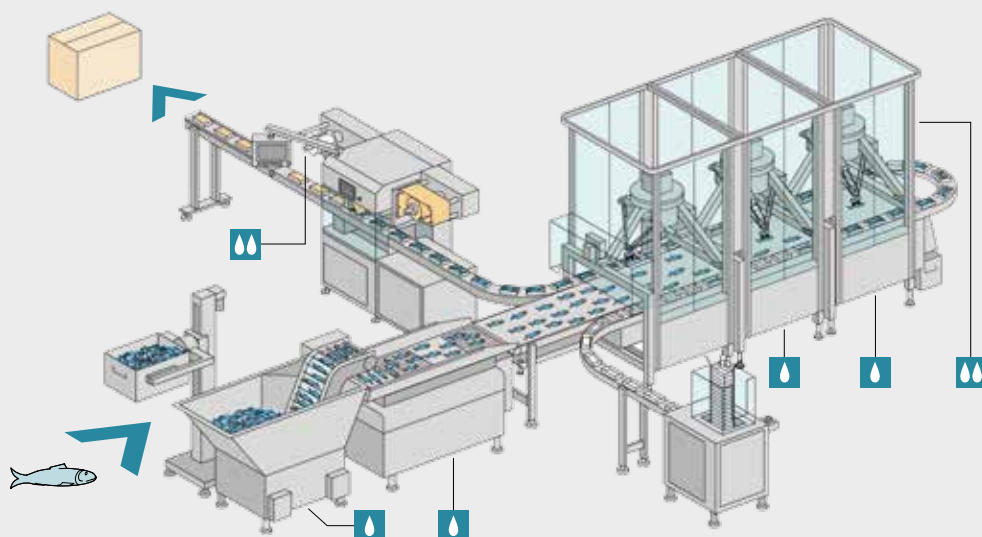
Very compact design due to integration of motor and gearbox.

dynamic · high-torque · efficient

Corrosion Resistant and Hygienic Design

Inox & Hygienic Design

	Inox Design	Hygienic Design
Protection class (mounted)	IP 66 / 67	IP 69 K
Design	robust	no edges or dead spots
Lubrication	standard	food grade
Output shaft material	steel	stainless steel
Certification	–	EHEDG (in progress)



Hygienically safe in motion

Protection against corrosion plays a major role in quality and service optimized production - the demand for industrial cleaning technology is growing worldwide.

Our corrosion resistant and hygienic design servo motors allow a sterile production and can be integrated in the process without further protection.

Experience a new freedom in design by directly integrating our motors in your production process.

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Servo Controller

simco drive

	Unit	SIM 2002	SIM 2010
Continuous power	W	125	500
Peak power	W	250	1000
Continuous current	A	2,5	10
Peak current (for 5 s)	A	5	20

Very precise and dynamic torque control

Intuitive and easy start-up with the graphical user interface MotionGUI

Real-time capable fieldbuses (CANopen, EtherCAT, Profinet)

STO (Safe Torque Off) according SIL 3 (in preparation)

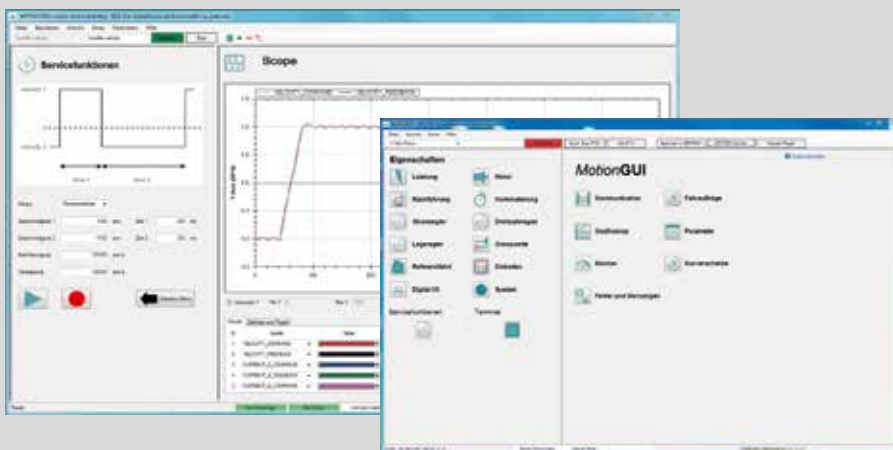
Automatic motor parameterization with our cyber® dynamic line

Event logging in real time

Protection class IP20 or IP65

Supply voltage power $+24 V_{DC} \dots +48 V_{DC}$

Logic supply voltage $+24 V_{DC} \pm 10\%$



MotionGUI

The intuitive graphical user interface MotionGUI provides an easy and fast set up of your drive system.

Various functions for diagnostic, cycle optimization and parameterization are available.

Diagnostic options and event logging in real time allows condition monitoring or start-up and maintenance in an efficient and timesaving way.

If you would like to learn more about the cyber® dynamic line, we invite you to get in touch with one of our highly qualified sales engineers.



cyber motor

WITTENSTEIN cyber motor GmbH · Walter-Wittenstein-Straße 1 · 97999 Igersheim · Germany
Tel. +49 7931 493-15800 · info@wittenstein-cyber-motor.de

WITTENSTEIN Inc. · 1249 Humbracht Circle · Bartlett, IL 60103 · USA
Tel. +1 630 540 5300 · info@wittenstein-us.com

WITTENSTEIN S.P.A. · Via Giosuè Carducci 125 · 20099 Sesto San Giovanni MI · Italy
Tel. +39 02 241357-1 · info@wittenstein.it

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